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1 Interactive path analysis of web site traffic
Pavel Berkhin, Jonathan D. Beche, Dee Jay Randall
August 2001 **Proceedings of the seventh ACM SIGKDD international conference on Knowledge discovery and data mining**
Publisher: ACM Press
Full text available: pdf(519.79 KB) Additional Information: full citation, abstract, references, citings, index terms

The goal of ***Path Analysis*** is to understand visitors' navigation of a Web site. The fundamental analysis component is a path. A path is a finite sequence of elements, typically representing URLs or groups of URLs. A full path is an abstraction of a visit or a session, which can contain attributes described below. Subpaths represent interesting subsequences of the full paths.Path Analysis provides user-configurable extraction, filtering, preprocessing, noise reduction, descriptive st ...

2 Traffic characterization: Characteristics of internet background radiation
Ruoming Pang, Vinod Yegneswaran, Paul Barford, Vern Paxson, Larry Peterson
October 2004 **Proceedings of the 4th ACM SIGCOMM conference on Internet measurement**
Publisher: ACM Press
Full text available: pdf(396.12 KB) Additional Information: full citation, abstract, references, index terms

Monitoring any portion of the Internet address space reveals incessant activity. This holds even when monitoring traffic sent to unused addresses, which we term "background radiation. " Background radiation reflects fundamentally nonproductive traffic, either malicious (flooding backscatter, scans for vulnerabilities, worms) or benign (misconfigurations). While the general presence of background radiation is well known to the network operator community, its nature has yet to be broadly charac ...

Keywords: honeypot, internet background radiation, network telescope

3 Security in a networked environment
Cleopas O. Angaye
June 1995 **ACM SIGAPP Applied Computing Review**, Volume 3 Issue 1
Publisher: ACM Press
Full text available: pdf(338.01 KB) Additional Information: full citation, abstract, index terms

Networking allows multiple users to share data, information, software, and hardware. In addition, a network can centralize the management of a large base of connected processing units often configured to provide one location for coordinating security, backup and control. Security is the means to limit damage to data and to prevent user access to unauthorized information. The question of maintaining adequate security provisions

across heterogenous platforms presents new security challenges for th ...

Keywords: LAN, networking, security, server

4 Separable image warping with spatial lookup tables

G. Wolberg, T. E. Boult

July 1989 **ACM SIGGRAPH Computer Graphics , Proceedings of the 16th annual conference on Computer graphics and interactive techniques SIGGRAPH '89**, Volume 23 Issue 3

Publisher: ACM Press

Full text available: pdf(1.99 MB) Additional Information: full citation, abstract, references, citings, index terms

Image warping refers to the 2-D resampling of a source image onto a target image. In the general case, this requires costly 2-D filtering operations. Simplifications are possible when the warp can be expressed as a cascade of orthogonal 1-D transformations. In these cases, separable transformations have been introduced to realize large performance gains. The central ideas in this area were formulated in the 2-pass algorithm by Catmull and Smith. Although that method applies over an important cla ...

5 Document detection: TIPSTER phase I final report

Bill Caid, Stephen Gallant, Joel Carleton, David Sudbeck

September 1993 **Proceedings of a workshop on held at Fredericksburg, Virginia: September 19-23, 1993**

Publisher: Association for Computational Linguistics

Full text available: pdf(1.84 MB) Additional Information: full citation, abstract

During Phase I of the TIPSTER program, HNC developed a unique approach to machine learning of similarity of meaning. This approach, embodied in a system called "MatchPlus", exploits this learned similarity of meaning for concept-based text retrieval, routing and visualization of textual information. MatchPlus uses an information representation scheme called "context vectors" to encode similarity of usage. Key attributes of the context vector approach are as follows:• Words, documents, and q ...

6 Filtering: Bayesian online classifiers for text classification and filtering

Kian Ming Adam Chai, Hai Leong Chieu, Hwee Tou Ng

August 2002 **Proceedings of the 25th annual international ACM SIGIR conference on Research and development in information retrieval**

Publisher: ACM Press

Full text available: pdf(236.06 KB) Additional Information: full citation, abstract, references, citings, index terms

This paper explores the use of Bayesian online classifiers to classify text documents. Empirical results indicate that these classifiers are comparable with the best text classification systems. Furthermore, the online approach offers the advantage of continuous learning in the batch-adaptive text filtering task.

Keywords: bayesian, machine learning, online, text classification, text filtering

7 Optimizing computations in a transposed direct form realization of floating-point LTI-FIR systems

N. Sankarayya, K. Roy, D. Bhattacharya

November 1997 **Proceedings of the 1997 IEEE/ACM international conference on Computer-aided design**

Publisher: IEEE Computer Society

Full text available: pdf(188.36 KB) Publisher Site Additional Information: full citation, abstract, references, citings, index terms

The inherent computational redundancy in discrete-time LTI-FIR system response

computations in Digital Signal Processing have been exploited in a variety of ways to minimize the computational complexity. We present an improved algorithm-level computational optimization that uses sorted recursive differences between coefficients representing the system transfer function with a Floating-Point number representation to extract maximum benefits from this redundancy. It can be applied to any LTI-FIR s ...

Keywords: DSP, FIR, filters, low-power, Differential Coefficients, Sorted Recursive Differences, multiplication

8 Applications II: Towards automatic analysis of social interaction patterns in a nursing home environment from video

Datong Chen, Jie Yang, Howard D. Wactlar

October 2004 **Proceedings of the 6th ACM SIGMM international workshop on Multimedia information retrieval**

Publisher: ACM Press

Full text available: pdf(490.67 KB) Additional Information: full citation, abstract, references, index terms

In this paper, we propose an ontology-based approach for analyzing social interaction patterns in a nursing home from video. Social interaction patterns are broken into individual activities and behavior events using a multi-level context hierarchy ontology framework. To take advantage of an ontology in representing how social interactions evolve, we design and refine the ontology based on knowledge gained from 80 hours of video recorded in the public spaces of a nursing home. The ontology is ...

Keywords: human activity, medical care, ontology, social interaction, stochastic modeling

9 Miscellaneous II: Mohonk: mobile honeypots to trace unwanted traffic early

Balachander Krishnamurthy

September 2004 **Proceedings of the ACM SIGCOMM workshop on Network troubleshooting: research, theory and operations practice meet malfunctioning reality**

Publisher: ACM Press

Full text available: pdf(133.12 KB) Additional Information: full citation, abstract, references, index terms

Honeypots have been traditionally used to advertise dark address space and gather information about originators of traffic to such addresses. With simple thresholding mechanisms this technique has shown itself to be fairly effective in identifying suspicious IP addresses. Honeypots are however unsuitable to locate the precise entry point of unwanted traffic. Tracing back to the origination of such traffic is hard due to the delay and difficulty of maintaining state along the path of such traffic ...

Keywords: network monitoring, unwanted packets

10 A pyramid-based approach to interactive terrain visualization

James Kaba, Joseph Peters

November 1993 **Proceedings of the 1993 symposium on Parallel rendering**

Publisher: ACM Press

Full text available: pdf(2.18 MB) Additional Information: full citation, references, citings, index terms

Keywords: image rotation, mip maps, parallel rendering, pyramids, scan-line algorithms, terrain rendering

11 Design issues in a Rule-Based System

Terms used **four pass filter** Found **13,039** of **186,958**

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1 Media and signal processing: ASIP design and synthesis for non linear filtering in image processing
L. Fanucci, M. Cassiano, S. Saponara, D. Kammler, E. M. Witte, O. Schliebusch, G. Ascheid, R. Leupers, H. Meyr
March 2006 **Proceedings of the conference on Design, automation and test in Europe: Designers' forum DATE '06**
Publisher: European Design and Automation Association
Full text available: pdf(381.87 KB) Additional Information: full citation, abstract, references

This paper presents an Application Specific Instruction Set Processor (ASIP) design for the implementation of a class of nonlinear image processing algorithms, the Retinex-like filters. Starting from high level descriptions, first algorithmic optimization is accomplished. Then a processor architecture and an instruction set are customized with special respect to the algorithmic computations in order to achieve the specified timing at reasonable complexity. Taking advantage of the programmability ...

2 Industry/government track paper: Email data cleaning
Jie Tang, Hang Li, Yunbo Cao, Zhaohui Tang
August 2005 **Proceeding of the eleventh ACM SIGKDD international conference on Knowledge discovery in data mining KDD '05**
Publisher: ACM Press
Full text available: pdf(613.87 KB) Additional Information: full citation, abstract, references, index terms

Addressed in this paper is the issue of 'email data cleaning' for text mining. Many text mining applications need take emails as input. Email data is usually noisy and thus it is necessary to clean it before mining. Several products offer email cleaning features, however, the types of noises that can be eliminated are restricted. Despite the importance of the problem, email cleaning has received little attention in the research community. A thorough and systematic investigation on the issue is t ...

Keywords: data cleaning, email processing, statistical learning, text mining

3 Visualization: GPU-based frequency domain volume rendering
Ivan Viola, Armin Kanitsar, Meister Eduard Gröller
April 2004 **Proceedings of the 20th spring conference on Computer graphics**
Publisher: ACM Press
Full text available: pdf(1.80 MB) Additional Information: full citation, abstract, references, index terms

Frequency domain volume rendering (FVR) is a volume rendering technique with lower computational complexity as compared to other techniques. In this paper the FVR algorithm is accelerated by factor of 17 by mapping the rendering stage to the GPU. The

overall hardware-accelerated pipeline is discussed and the changes according to previous work are pointed out. The three-dimensional transformation into frequency domain is done in a pre-processing step. The rendering step is computed completely ...

Keywords: fourier transform, fourier volume rendering, hardware acceleration, hartley transform

4 Volume rendering on the MasPar MP-1

Guy Vézina, Peter A. Fletcher, Philip K. Robertson
December 1992 **Proceedings of the 1992 workshop on Volume visualization VVS '92**
Publisher: ACM Press
Full text available: pdf(725.62 KB) Additional Information: full citation, references, citings, index terms

5 I/O optimal isosurface extraction (extended abstract)

Yi-Jen Chiang, Cláudio T. Silva
October 1997 **Proceedings of the 8th conference on Visualization '97**
Publisher: IEEE Computer Society Press
Full text available: pdf(1.45 MB) Additional Information: full citation, references, citings, index terms
Publisher Site

6 Architectural and compiler support for effective instruction prefetching: a cooperative approach

February 2001 **ACM Transactions on Computer Systems (TOCS)**, Volume 19 Issue 1
Publisher: ACM Press
Full text available: pdf(432.96 KB) Additional Information: full citation, abstract, references, citings, index terms, review

Instruction cache miss latency is becoming an increasingly important performance bottleneck, especially for commercial applications. Although instruction prefetching is an attractive technique for tolerating this latency, we find that existing prefetching schemes are insufficient for modern superscalar processors, since they fail to issue prefetches early enough (particularly for nonsequential accesses). To overcome these limitations, we propose a new instruction prefetching technique where ...

Keywords: compiler optimization, instruction prefetching

7 High performance interprocessor communication through optical wavelength division multiple access channels

Patrick W. Dowd
April 1991 **ACM SIGARCH Computer Architecture News , Proceedings of the 18th annual international symposium on Computer architecture ISCA '91**, Volume 19 Issue 3
Publisher: ACM Press
Full text available: pdf(968.65 KB) Additional Information: full citation, references, citings, index terms

8 Synthesis for low power: On multiple-voltage high-level synthesis using algorithmic transformations

Hsueh-Chih Yang, Lan-Rong Dung
January 2005 **Proceedings of the 2005 conference on Asia South Pacific design automation ASP-DAC '05**
Publisher: ACM Press

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Xiao Min Zhang, Feng Jing, Z. Shui, XiaoFeng Wei, Wanguo Zheng, Qi-Xiang Zhu, D. Fan, and Hansheng Peng
Proc. SPIE **3492**, 877 (1999) **Full Text:** [PDF (1008 kB)] (7 pages)

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Stanislav A. Sukharev
Proc. SPIE **3492**, 12 (1999) **Full Text:** [PDF (2598 kB)] (13 pages)

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   Mao, M.; Gan, Z.J.;
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   Lasers and Electro-Optics Europe, 2000. Conference Digest. 2000 Conference on
   10-15 Sept 2000 Page(s):1 pp.
   Digital Object Identifier 10.1109/CLEOE.2000.909859
   AbstractPlus | Full Text: PDF(92 KB) IEEE CNF
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3. **Compact, single-frequency, high-power Nd: glass laser**
   Yanovsky, V.P.; Richardson, M.C.; Miesak, E.J.;
   Quantum Electronics, IEEE Journal of
   Volume 30, Issue 4, April 1994 Page(s):884 - 886
   Digital Object Identifier 10.1109/3.291356
   AbstractPlus | Full Text: PDF(280 KB) IEEE JNL
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4. **High-T/sub c/ superconducting planar filters with improved performance**
   Vendik, I.B.; Gashinova, M.S.; Goubina, M.N.; Kolmakov, Y.A.; Kolmakov, I.A.; Zhang, G.Y.;
   Applied Superconductivity, IEEE Transactions on
   Volume 13, Issue 2, Part 1, June 2003 Page(s):284 - 286
   Digital Object Identifier 10.1109/TASC.2003.813710
   AbstractPlus | References | Full Text: PDF(219 KB) IEEE JNL
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5. **On the detection of dominant points on digital curves**
   Teh, C.-H.; Chin, R.T.;
   Pattern Analysis and Machine Intelligence, IEEE Transactions on
   Volume 11, Issue 8, Aug. 1989 Page(s):859 - 872
   Digital Object Identifier 10.1109/34.31447
   AbstractPlus | Full Text: PDF(992 KB) IEEE JNL
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6. **A program for the design of linear phase finite impulse response digital filters**
Parks, T.; McClellan, J.;
Audio and Electroacoustics, IEEE Transactions on
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7. **Designing simple, effective digital filters**
Tufts, D.; Rorabacher, D.; Mosier, W.;
Audio and Electroacoustics, IEEE Transactions on
Volume 18, Issue 2, Jun 1970 Page(s):142 - 158
AbstractPlus | Full Text: PDF(1472 KB) **IEEE JNL**
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8. **A new IIR Nyquist filter with zero intersymbol interference and its frequency response approximation**
Nakayama, K.; Mizukami, T.;
Circuits and Systems, IEEE Transactions on
Volume 29, Issue 1, Jan 1982 Page(s):23 - 34
AbstractPlus | Full Text: PDF(1160 KB) **IEEE JNL**
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9. **Linear phase bandpass digital filters with variable cutoff frequencies**
Hazra, S.;
Circuits and Systems, IEEE Transactions on
Volume 31, Issue 7, Jul 1984 Page(s):661 - 663
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10. **Accurate tuning curves in a cochlear model**
Kates, J.M.;
Speech and Audio Processing, IEEE Transactions on
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11. **Development of a crosstalk measurement type three-dimensional digital color decoder**
Ito, S.-E.; Lowlor, R.; Ebihara, N.;
Consumer Electronics, IEEE Transactions on
Volume 39, Issue 2, May 1993 Page(s):63 - 70
Digital Object Identifier 10.1109/30.214809
AbstractPlus | Full Text: PDF(524 KB) **IEEE JNL**
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12. **Properties of a Series of Nested Median Filters, Namely the Data Sieve**
Bangham, J.A.;
Signal Processing, IEEE Transactions on [see also Acoustics, Speech, and Signal Processing, IEEE Transactions on]
Volume 41, Issue 1, January 1993 Page(s):31
Digital Object Identifier 10.1109/TSP.1993.193125
AbstractPlus | Full Text: PDF(1076 KB) **IEEE JNL**
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13. **Efficient narrowband FIR and IFIR filters based on powers-of-two sigma-delta coefficient truncation**
Powell, S.R.; Chau, P.M.;
Circuits and Systems II: Analog and Digital Signal Processing, IEEE Transactions on [see also Circuits and Systems II: Express Briefs, IEEE Transactions on]
Volume 41, Issue 8, Aug. 1994 Page(s):497 - 505
Digital Object Identifier 10.1109/82.318938
AbstractPlus | Full Text: PDF(752 KB) **IEEE JNL**

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14. **Adaptive motion-compensated wavelet filtering for image sequence coding**
Leduc, J.-P.; Odobez, J.-M.; Labit, C.;
Image Processing, IEEE Transactions on
Volume 6, Issue 6, June 1997 Page(s):862 - 878
Digital Object Identifier 10.1109/83.585236
AbstractPlus | References | Full Text: PDF(516 KB) **IEEE JNL**
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15. **Image filtering using hyperstable adaptive algorithms**
Tan, A.C.; Sheng-Tsai Chen; Basu, S.;
Circuits and Systems II: Analog and Digital Signal Processing, IEEE Transactions on [see also Circuits and Systems II: Express Briefs, IEEE Transactions on]
Volume 44, Issue 5, May 1997 Page(s):358 - 370
Digital Object Identifier 10.1109/82.580841
AbstractPlus | References | Full Text: PDF(492 KB) **IEEE JNL**
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16. **Misalignment distortion penalty in moderate-speed directly modulated WDM systems and its reduction using fiber Bragg grating lasers**
Liu, K.; Wang, W.K.;
Photonics Technology Letters, IEEE
Volume 9, Issue 12, Dec. 1997 Page(s):1649 - 1651
Digital Object Identifier 10.1109/68.643300
AbstractPlus | References | Full Text: PDF(60 KB) **IEEE JNL**
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17. **Real-time heart rate variability extraction using the Kaiser window**
Seydnejad, S.R.; Kitney, R.I.;
Biomedical Engineering, IEEE Transactions on
Volume 44, Issue 10, Oct. 1997 Page(s):990 - 1005
Digital Object Identifier 10.1109/10.634651
AbstractPlus | References | Full Text: PDF(448 KB) **IEEE JNL**
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18. **Tunable microwave filters using ferroelectric materials**
Vendik, I.; Vendik, O.; Pleskachev, V.; Nikol'ski, M.;
Applied Superconductivity, IEEE Transactions on
Volume 13, Issue 2, Part 1, June 2003 Page(s):716 - 719
Digital Object Identifier 10.1109/TASC.2003.814013
AbstractPlus | References | Full Text: PDF(307 KB) **IEEE JNL**
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19. **Microoptic spatial mode conversion for terawatt class amplifiers**
Chowdhury, E.A.; Ongadi, G.; Walker, B.C.; Tamosaitis, R.S.; Leleko, V.;
Lasers and Electro-Optics, 2003. CLEO '03. Conference on
1-6 June 2003 Page(s):2 pp.
Digital Object Identifier 10.1109/CLEO.2003.1297770
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20. **Digital image filtration on cellular neural network**
Khryasshyov, V.V.; Priorov, A.L.; Sautov, E.Yu.; Sokolenko, E.A.;
Artificial Intelligence Systems, 2002. (ICAIS 2002). 2002 IEEE International Conference on
5-10 Sept. 2002 Page(s):248 - 251
Digital Object Identifier 10.1109/ICAIS.2002.1048101
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21. **Efficient analysis of some nonlinearities in SC and SI filter networks**
Shang, Z.Q.; Sewell, J.I.;

Digital and Analogue Filters and Filtering Systems, IEE Colloquium on
30 Nov 1994 Page(s):10/1 - 10/5

AbstractPlus | Full Text: PDF(200 KB) **IEE CNF**

22. **Multiscale median and morphological filters used for 2D pattern recognition**
Bangham, J.A.; Pye, C.J.; Impey, S.J.; Aldridge, R.V.;
Morphological and Nonlinear Image Processing Techniques, IEE Colloquium on
10 Jun 1993 Page(s):5/1 - 513

AbstractPlus | Full Text: PDF(1676 KB) **IEE CNF**

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Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	9	"10/612057" and curry.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/03 10:40
S2	56	(MRC "mixed raster") same ((selector edge) near5 plane)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/02 16:44
S3	0	S2 same bianr$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/27 14:08
S4	1498	(edge near5 detect$3) with segment$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/27 14:36
S5	5	(MRC "mixed raster") same ((selector mask) near5 plane) same (edge with segment$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/30 14:15
S6	262	S4 same (threshold$3 binar$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/27 14:34
S7	163	S4 with (threshold$3 binar$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/27 14:34
S8	154	S4 with (threshold$3 binari$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/27 14:35
S9	20	S4 with (binari$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/27 14:35

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S10	55	(edge near5 detect$3) with (direction with strength)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/27 14:40
S11	7	S10 same segment$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/27 14:43
S12	3635	(edge with direction with (strength magnitude))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/27 14:42
S13	6	S12 same segmentation	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/27 14:43
S14	2	EP-712094-$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/27 16:12
S15	16	PDL with "image pixel"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/31 12:19
S16	21	(MRC "mixed raster") same (segment$5 with "text" with "image")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/30 13:05
S17	44	(MRC "mixed raster") and (segment$5 with "text" with "image")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/30 14:08
S18	19	(("5583659") or ("6400844") or ("6324305") or ("4849914") or ("5515452") or ("5745596") or ("5900953") or ("6058214") or ("6343154") or ("6633670")).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/30 14:32
S19	21	(MRC "mixed raster") and (segmentation with edge)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/30 14:09

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S20	8	(MRC "mixed raster") and ((selector mask) near5 plane) same (edge with segment$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/30 14:16
S21	41	(MRC "mixed raster") and ((selector mask) near5 plane) same segmentation	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/30 14:17
S22	83	(MRC "mixed raster") same segmentation	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/30 14:17
S23	64	(MRC "mixed raster") with segmentation	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/30 14:17
S24	1617	("3x3" "3 x 3" "3 by 3")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/30 14:40
S25	2014	((segment$5 separat$3) with foreground with background)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/31 11:08
S26	6	S24 and S25	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/30 14:41
S27	94	S25 same (window neighborhood)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/30 15:23
S28	33	S25 with (window neighborhood)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/30 15:10
S29	3	("6701009").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/30 15:11

EAST Search History

S30	85	S25 with edge	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/30 15:23
S31	15	S25 with (edge near5 detect$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/30 15:23
S32	42	gradient with white with background	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/31 09:46
S33	194	((determin$5 designat$3 assign$3) with (text graphic foreground) with background) same (window bblock neighborhood)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/31 11:14
S34	7	((determin$5 designat$3 assign$3) with (text graphic foreground) with background) with (neighborhood)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/31 11:10
S35	27	((determin$5 designat$3 assign$3) with (text graphic foreground) with background) same (neighborhood)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/31 11:14
S36	10	PDL with (pixel near5 (type class category tag))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/31 12:22
S37	247	PDL with (text with image)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/31 12:22
S38	0	(PDL with tag with text with image)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/31 12:22
S39	0	S37 with tag	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/31 12:23

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S40	3	S37 same tag	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/31 12:23
S41	30	S37 with (tag type kind categor$4 type class)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/31 12:59
S42	35	S37 with raster	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/31 12:56
S43	39	(PDL with conver$4 with raster$7) same (text with image with tag type kind categor$4 type class)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/31 13:00
S44	9	"10/612,250" and curry.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/31 16:25
S45	1	(replac$3 substitut$3 chang$3) with ("by" "with") with ((filter$3 transform$5 correct$3 adjust$3) near3 (value result data signal))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/01 14:22
S46	85202	(replac$3 substitut$3 chang$3) with ((filter$3 transform$5 correct$3 adjust$3) near3 (value result data signal))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/01 14:23
S47	18142	(replac$3 substitut$3 chang$3) with (filter$3 near3 (value result data signal))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/01 14:23
S48	1267	(replac$3 substitut$3 chang$3) with (select$2 specific designated chosen) with (filter$3 near3 (value result data signal))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/01 14:24
S49	460	((replac$3 substitut$3 chang$3) near5 (select$2 specific designated chosen)) with (filter$3 near3 (value result data signal))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/01 14:25

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S50	44	((replac$3 substitut$3) near3 (select$2 specific designated chosen)) with (filter$3 near3 (value result data signal))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/01 15:30
S51	40	((replac$3 substitut$3) near3 (noise)) with (filter$3 near3 (value result data signal))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/01 14:35
S52	367	(partition$3 near5 (mask select$3)) same (filter$3 smooth$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/01 15:32
S53	217	(partition$3 near5 (mask select$3)) with (filter$3 smooth$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/01 15:32
S54	206	(partition$3 near5 (mask select$3)) with (filter$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/01 15:32
S55	31	(partition$3 near5 (mask)) with (filter$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/01 15:34
S56	6	(partition$3 near5 selector) with (filter$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/01 15:35
S57	0	(partition$3 near5 (edge adj1 (map image))) with (filter$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/02 10:48
S58	6	((divid$3 partition$3) near5 (edge adj1 (map image))) with (filter$3 smooth$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/01 15:36
S59	1308	((gradient edge) adj1 (map image)) with (filter$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/02 10:48

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S60	191	((gradient) adj1 (map image)) with (filter$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/02 11:01
S61	17	((gradient) adj1 (map)) with (filter$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/02 10:49
S62	33	((gradient) adj1 (image)) with (filtered)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/02 12:34
S63	32	((gradient) adj1 (image map)) with (partition$3 divid$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/02 14:17
S64	3	((gradient) adj1 (image map)) with (partition$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/02 12:34
S65	2323	(direction$2 near3 (image map)) with (partition$3 divid$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/02 14:14
S66	17	(direction adj1 map) with (partition$3 divid$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/02 14:14
S67	10	(gradient with (edge adj1 (image map))) with (partition$3 divid$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/02 14:18
S68	51	((direction orientation gradient) with (edge adj1 (image map))) with (partition$3 divid$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/02 14:43
S69	2159	image with ((bias$3 substract$3 offset$3 normaliz$3) near5 (mean average constant))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/02 15:20

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S70	905	image with (bias$3 near5 (mean average constant))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/02 15:21
S71	66	image with (bias$3 adj3(mean average))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/02 16:14
S72	17	(difference adj1 image) with partition$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/02 15:22
S73	7	((gradient edge) adj1 image) with (subtract$3 adj3(mean average constant))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/02 17:09
S74	8	((gradient edge) adj1 image) with (subtract$3 near5 (mean average constant))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/02 16:20
S75	10	((gradient edge) adj1 (image map)) with ((bias$3 subtract$3) near5 (mean average constant offset))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/02 16:24
S76	21	(gray$1scale gray$1level) with ((bias$3 subtract$3) near5 (mean average constant offset))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/02 16:24
S77	124	((gradient edge) near3 (image map)) same ((bias$3 subtract$3) near5 (mean average constant offset))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/02 17:10
S78	27	((gradient edge) near3 (image map)) with ((bias$3 subtract$3) near5 (mean average constant offset))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/02 16:25
S79	6534	(MRC "mixed raster")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/02 16:45

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S80	117	(MRC "mixed raster") same compression	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/02 16:49
S83	2082	((gradient edge)) same ((bias$3 subtract$3) near5 (mean average constant offset))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/02 17:10
S84	153	((gradient)) with ((bias$3 subtract$3) near5 (mean average constant offset))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/02 17:11
S85	57	((gradient)) with ((subtract$3) near5 (mean average bias offset))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/02 17:11
S86	1792	((signal value gradient mask) near5 ("1" "-1")) with weak	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/03 10:51
S87	20	S86 and (MRC "mixed raster")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/03 10:47
S88	20709	(filter$3 LPF HPF smooth$3 sharpen$3) with (4-pass four$1pass (("4" four) near5 (pass$2 iterat$3)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/03 10:56
S89	1697	(filter$3 LPF HPF smooth$3 sharpen$3) with (4-pass four$1pass (("4" four) adj1 (pass$2 iterat$3)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/03 10:56
S90	203	S88 and JPEG	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/03 10:58
S91	8	S88 same JPEG	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/03 10:57

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S92	5765	382/164,173,176,180;358/1.1,1.18.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/03 12:21
S93	51	S92 and (MRC "mixed raster")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/03 12:22